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October 2001 **PVG '01**: Proceedings of the IEEE 2001 symposium on parallel and large-data visualization and graphics

Publisher: IEEE Press

Full text available: [Pdf](#) (3.07 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 32, Downloads (Overall): 411, Citation Count: 1

In recent years, an explosion in data has been profoundly changing the field of biology and creating the need for new areas of expertise, particularly in the handling of data. One vital area that has so far received insufficient attention is how to communicate ...

2 [The future of our profession](#)

[Bo Dahlbom](#), [Lars Mathiassen](#)

June 1997 **Communications of the ACM**, Volume 40 Issue 6

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (432.38 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 71, Downloads (Overall): 866, Citation Count: 8

3 [Predictive modeling in automotive direct marketing: tools, experiences and open issues](#)

[Wendy Gersten](#), [Rüdiger Wirth](#), [Dirk Arndt](#)

August 2000 **KDD '00**: Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (334.76 KB)

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Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 91, Downloads (Overall): 936, Citation Count: 5

Keywords: CRISP-DM, Clementine, data mining process, direct marketing, evaluation measures

4 [Modeling software design diversity: a review](#)

[Ben Littlewood](#), [Peter Popov](#), [Lorenzo Strigini](#)

June 2001 **Computing Surveys (CSUR)**, Volume 33 Issue 2

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (259.57 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 231, Downloads (Overall): 2310, Citation Count: 6

Design diversity has been used for many years now as a means of achieving a degree of fault tolerance in software-based systems. While there is clear evidence that the approach can be expected to deliver some increase in reliability compared to a single ...


Keywords: *N*-version software, control systems, functional diversity, multiple version programming, protection systems, safety, software fault tolerance

5 [Global ID, trusted systems, and communications markets](#)

 [Jonathan Weinberg](#)

April 2000 **CFP '00: Proceedings of the tenth conference on Computers, freedom and privacy: challenging the 2000 assumptions**


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (72.20 KB)

Additional Information: [full citation](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 8, Downloads (Overall): 203, Citation Count: 0

6 [Genre ecologies: an open-system approach to understanding and constructing documentation](#)

 [Clay Spinuzzi, Mark Zachry](#)

August 2000 **Journal of Computer Documentation (JCD)** , Volume 24 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (627.37 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 128, Downloads (Overall): 861, Citation Count: 21

Arguing that current approaches to understanding and constructing computer documentation are based on the flawed assumption that documentation works as a closed system, the authors present an alternative way of thinking about the texts that make computer ...


Keywords: genre ecologies, genre theory, information ecologies

7 [Using the NREN testbed to prototype a high-performance multicast application](#)

 [Marjory J. Johnson, Matthew Chew Spence, Lawrence Chao](#)

January 1999 **Supercomputing '99: Proceedings of the 1999 ACM/IEEE conference on Supercomputing (CDROM)**

Publisher: ACM

Full text available:  Pdf (76.92 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 10, Downloads (Overall): 232, Citation Count: 0

8 [Location update and routing scheme for a mobile computing environment](#)

[Anna Ha*, Yuling Huang](#)

July 2000 **International Journal of Network Management** , Volume 10 Issue 4

Publisher: John Wiley & Sons, Inc.


Full text available:  Pdf (332.32 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 5, Downloads (Overall): 422, Citation Count: 1

We present a new hierarchical location update and routing scheme for a wide area mobile computing environment with scalability of network hierarchy. Our scheme provides nearly optimal routing for most communication bypassing the mobile host's home ...

9 [Hierarchical analysis of power distribution networks](#)

 [Min Zhao, Rajendran V. Panda, Sachin S. Sapatnekar, Tim Edwards, Rajat Chaudhry, David Blaauw](#)

June 2000 **DAC '00: Proceedings of the 37th Annual Design Automation Conference**


Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (206.93 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 36, Downloads (Overall): 321, Citation Count: 31

Careful design and verification of the power distribution network of a chip are of critical importance to ensure its reliable performance. With the increasing number of transistors on a chip, the size of the power network has grown so large as ...

10 [Using the SimOS machine simulator to study complex computer systems](#)

 [Mendel Rosenblum, Edouard Bugnion, Scott Devine, Stephen A. Herrod](#)

January 1997 **Transactions on Modeling and Computer Simulation (TOMACS)** , Volume 7 Issue 1


Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (731.76 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 96, Downloads (Overall): 901, Citation Count: 72


Keywords: computer architecture, computer simulation, computer system performance analysis, operating systems

11 [Client-server computing in mobile environments](#)

 [Jin Jing, Abdeisalam Sumi Helal, Ahmed Elmagarmid](#)

June 1999 **Computing Surveys (CSUR)** , Volume 31 Issue 2

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (233.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 52, Downloads (12 Months): 648, Downloads (Overall): 5755, Citation Count: 45

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile computing, mobile data, mobility awareness, survey, system application

12 [XML linking](#)

 [Steven J. DeRose](#)


December 1999 **Computing Surveys (CSUR)** , Volume 31 Issue 4es

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (154.81 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 51, Downloads (Overall): 874, Citation Count: 5

13 [HTTP Cookies: Standards, privacy, and politics](#)

 [David M. Kristof](#)

November 2001 **Transactions on Internet Technology (TOIT)** , Volume 1 Issue 2

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (390.38 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 304, Downloads (Overall): 3142, Citation Count: 9

How did we get from a world where cookies were something you ate and where "nontechies" were unaware of "Netscape cookies" to a world where cookies are a hot-button privacy issue for many computer users? This article describes how HTTP "cookies" work ...

Keywords: Cookies, HTTP, World Wide Web, privacy, state management

14 [Understanding the backward slices of performance degrading instructions](#)



[Craig B. Zilles](#), [Gurindar S. Sohi](#)

June 2000 **ISCA '00: Proceedings of the 27th annual international symposium on Computer architecture**

Publisher: ACM

Full text available: [Pdf](#) (128.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 29, Downloads (Overall): 301, Citation Count: 33

For many applications, branch mispredictions and cache misses limit a processor's performance to a level well below its peak instruction throughput. A small fraction of static instructions, whose behavior cannot be anticipated using current branch ...

Also published in:

May 2000 **SIGARCH Computer Architecture News** Volume 28 Issue 2

15 [Designing data marts for data warehouses](#)



October 2001 **Transactions on Software Engineering and Methodology (TOSEM)** , Volume 10 Issue 4

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (203.43 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 567, Downloads (Overall): 4879, Citation Count: 15

Data warehouses are databases devoted to analytical processing. They are used to support decision-making activities in most modern business settings, when complex data sets have to be studied and analyzed. The technology for analytical processing assumes ...

Keywords: conceptual modeling, data mart, data warehouse, design method, software quality management

16 [Smart packets: applying active networks to network management](#)



[Beverly Schwartz](#), [Alden W. Jackson](#), [W. Timothy Strayer](#), [Wenyi Zhou](#), [R. Dennis Rockwell](#), [Craig Partridge](#)

February 2000 **Transactions on Computer Systems (TOCS)** , Volume 18 Issue 1

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (190.33 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 57, Downloads (Overall): 830, Citation Count: 13

This article introduces Smart Packets and describes the smart Packets architecture, the packet formats, the language and its design goals, and security considerations. Smart Packets is an Active Networks project focusing on applying active networks technology ...

Keywords: active networks

17 [Digital library technology for locating and accessing scientific data](#)



[Robert E. McGrath](#), [Joe Futrelle](#), [Ray Plante](#), [Damien Guillaume](#)

August 1999 **DL '99: Proceedings of the fourth ACM conference on Digital libraries**

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (83.37 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 42, Downloads (Overall): 597, Citation Count: 2


Keywords: astronomy data, information retrieval, scientific data, scientific information systems

18 [Multi-processor performance on the Tera MTA](#)

[Allan Snaveley](#), [Larry Carter](#), [Jay Boisseau](#), [Amit Majumdar](#), [Kang Su Gatlin](#), [Nick Mitchell](#), [John Feo](#), [Brian Koblenz](#)

November 1998 **Supercomputing '98: Proceedings of the 1998 ACM/ IEEE conference on Supercomputing 1998** (CDROM)

Publisher: IEEE Computer Society

Full text available:  [Html](#) (36.39 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 12, Downloads (Overall): 141, Citation Count: 11

The Tera MTA is a revolutionary commercial computer based on a multithreaded processor architecture. In contrast to many other parallel architectures, the Tera MTA can effectively use high amounts of parallelism on a single processor. By running multiple ...


Keywords: NAS parallel benchmarks, parallelizing compilers, performance evaluation, performance tuning, scalability analysis, tera multithreaded architecture

19 [From VHDL to efficient and first-time-right designs: a formal approach](#)

 [Peter F. A. Middelhoek](#), [Sreeranga P. Rajan](#)

April 1996 **Transactions on Design Automation of Electronic Systems (TODAES)** , Volume 1 Issue 2

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (722.99 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 70, Downloads (Overall): 611, Citation Count: 2

In this article we provide a practical transformational approach to the synthesis of correct synchronous digital hardware designs from high-level specifications. We do this while taking into account the complete life cycle of a design from early prototype ...


Keywords: CDFG, SFG, VHDL, correctness by construction, design methodology, rapid system prototyping, transformational design

20 [Delivering presentations from multimedia servers](#)

[Nevzat Hurkan Balkir](#), [Gultekin Ozsoyoglu](#)

December 1998 **The VLDB Journal — The International Journal on Very Large Data Bases** , Volume 7 Issue 4

Publisher: Springer-Verlag New York, Inc.

Full text available:  [Pdf](#) (171.48 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 41, Downloads (Overall): 342, Citation Count: 4

Most multimedia servers reported in the literature are designed to serve multiple and independent video/ audio streams. We think that, in future, multimedia servers will also serve complete presentations. Multimedia presentations provide unique opportunities ...





Keywords: Admission control, Buffer management, Flattening, Multimedia presentations

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